PTO-144 Application No. Applicant(s) 10/826,736 James R. Matson et al. Information Dissiosure Citation Group Art Unit Docket Number Filing Date in an Application 067062.0129 Unknown April 16, 2004 **U.S. PATENT DOCUMENTS** SUBCLASS DOCUMENT NO. DATE NAME CLASS FILING DATE /LD/ Α 2682268 6/29/54 Ryan et al. 604 252 R 4000072 12/28/76 Sato et al. 210 315 C 260 10/23/79 De Maeyer et al. 112 4172071 D 4248736 2/3/81 Fuchigami et al. 252 428 E 2/2/82 Lehmann et al. 210 341 4313831 F 4362155 12/7/82 Skurkovich 128 214 G 9/6/83 424 4402940 Nose et al. 101 н 210 502 4581141 4/8/86 Ash 1 604 6 4614513 9/30/86 Bensinger 321.8 4784974 11/29/88 Ambrus et al. 210 500 12/09/88 κ 4872983 10/1989 Dimantoglou et al. 210 06/10/88 4874522 10/1989 Okamoto et al. 210 645 L 01/15/88 210 195 4897189 01/1990 Greenwood et al. **FOREIGN PATENT DOCUMENTS** TRANSLATION SUBCLASS DOCUMENT NO. DATE COUNTRY CLASS YES NO Ν 8/6/97 A61M 1/34 X **€** 0 787 500 A1 EP 0 X 6/6/83 EP **B01D** 13/04 🕊 0 098 392 A2 Р PCT A61M 1/34 X 95/04559 2/16/95 **NON-PATENT DOCUMENTS** DATE **DOCUMENT (Including Author Title Source and Pertinent Pages)** Konstantin et al. "Artificial Liver" from. Artificial Organs Vol. 16 Issue pages 235 - 242 Blackwell (LD Publications Inc. Boston MA 1992 International Society for Artificial Organs. 1992 "Hemodiafiltration in Two Chambers Without Replacement Fluid: A Clinical Study" by C. Sanz-1995 Moreno and J. Botella Artificial Organs Vol. 19 No. 5 1995. International Search Report for PCT/US/99/15426 1/20/00 Seiichi Mochizuki et al.'s "Dextran transport through asymmetric ultra-filtration membranes: τX Comparison with Hydrodynamic Models", Journal of Membrane Science, 68 (1992) pp 21-41 1992 Mailed u X 4/15/03 International Search Report PCT/US02/23603 5 pages. Mailed **%**v /LD/ International Search Report PCT/US03/07784 6 Pages. 7/17/03 DATE CONSIDERED **EXAMINER** 07/05/2007 /Leslie Deak/ EXAMINER: Initial if citation considered whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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/LD/ 1.	Bende et al., "Elimination of endotoxin from the blood by extracorporeal activated charcoal hemoperfusion in experimental canine enotoxin shock". Circ Shock, Vol. 19(2), pp. 239-44.								986
/LD/ 3.	Nagaki et al., "Remo	oval of endotoxin	and c	ytokines by adsorbents a Vol. 14(1), pp. 43-50.			tein		1991
11 D. K	Nagaki et al., "In vi	tro plasma perfus	ion th	rough adsorbents and pl	asma ultrafiltrati	on to remo	ve		
/LD/ K	endotoxin and cytok	ines". Circ Shocl	k, Vol	. 38(3), pp. 182-8 .	·			11	/1992
/LD/ L	Huges et al., "Use o Vol. 11(3), pp. 163-		s and l	haemofiltration in fulmi	nant hepatic failt	ıre". Blood	d Purif.	1	1993
	Nagaki et al., "Clea	rance and tissue d	listribı	ution of staphylococcal	enterotoxin A in	the rat and			
/LD/ M	potential use of adso	rbents for remova	al fron	n plasma". Journal of M	led. Microbiolog	y, Vol. 38((5), pp.		
			. •					3/	1993
LD N	S186-9.	ious plasma filtra	tion co	oupled with sorbents".	Kidney Int. Supp	I., Vol. 53,	рр.	5/	1998
/LD/ °	Pusey et al., "Exper 99-102.	imental models o	f plasr	ma perfusion". Journal	of Clin. Apheres	is, Vol. 6(2), pp.	1	1991
	Geiger et al., "Biocl	nemical assessme	nt and	clinical evaluation of b	ilirubin adsorben	t column (BR-		
/LD/ P.	350) in critically ill pp 35-9.	patients with intra	ctable	e jaundice". Int. Journal	of Artificial Org	ans, Vol. 1	5(1),	1/	1992
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/LDX Q	of continuous plasm: 13(6), pp. 1458-64.	a filtration couple	d with	n sorbent adsorption", N	Nephrol Dial. Tra	nsplant, V	ol.		(1008
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